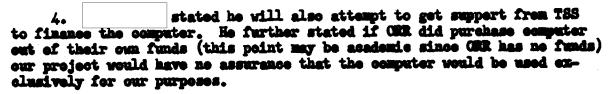
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	19 December 1956	
MEMORANDEM	TO: Project Birector	
THROUGH	: Contracting Officer \$400 19 50	
Subject,	: General Purpose medium capacity electronic computer	
PETERSKE	: Memorandum to Project Director dated 13 November 1956 from Chief, Technical Intelligence Branch, entitled "Computation Problems of the Technical Intelligence Branch of the Photo graphic Intelligence Division".	
	Chief, Technical Intelligence Branch visited 17 December 1956. The subject discussed was the need of a	25 X 1
	his branch to support this project. The computer would be notogrammetric calculations pertaining to our photography. The culd replace the requirement for set of tables proposed by Jim	
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5. I recalled a meeting at Art Lundahl's place on 13 December 1956. Various Service representatives were present to express their views regarding interest in various rectifier, viewers, stereoscopes etc. At this time rectifiers for trackers, B and C cameras were discussed. Bestification of B and C photography would cancel the need for a computer. However, rectifiers for B and C would be at least a year away from eperational use after a contract was awarded.

Conclusion:

This project could efficiently use the type of computer recommended by in his memorandum. However there are other approaches to the problem concerning equipment to utilise Project take.

- 1. Use Jim Bakers tables until such time as rectifiers are available for B and C photography. Some \$78,000 has been transferred from AQUATOME to HTABTOMAT for this procurement of a B photo rectifier.
- 2. Obtain a computer thereby giving GRR the potential to make up their own tables and grids. In addition the instrument would be used for more detailed analysis.
- 3. Use a computer restifier combination. First, step would be to obtain the computer. Then if and when restifiers are obtained the major effort of the computer could be relegated to other projects.

Recommendation:

Not being fully conversant with such important factors as (1) Availability of proper and numbers of personnel (2) Volume of photography to be analysed (3) Types of informational data desired (4) Dimensional accuracy needed and (4) Speed required to analyse raw data. I can only approach the problem from the standpoint of overall utilisation time for phase-in of equipment and economy.

I feel a computer - rectifier combination would pay for itself in the long run. Initial outlay cost wise would be relatively high but the equipment as designed would have general utilisation and consequently could be used for a variety of tasks within CER on tasks or problems generated by projects other than our own. With these facts in mind, I believe this Project should not feel duty bound to finance the total cost of the computer or of all the rectifiers.

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